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From: Chan, Valerie
Sent: Thur 7/10/2014 3:13:16 PM
Subject: July 10, 2014 VI Mitigation Conference Call, South Dayton Dump and Landfill Site ~COR-38443-62~
[Mitigation Summary Database 07-10-14.xls](#)
[June 2014 180-day Bldg 14 & 17 validated results.xls](#)
[038443Memo-24-B&G Trucking, Building 9, 1951 Dryden Road.pdf](#)
[038443Patterson-Renninger-19-Tbls.xlsx](#)

The VI Mitigation conference call is scheduled for today at 2:30 PM ET / 1:30 PM CT.

Please find attached the following files:

- Mitigation Summary database
- T - Tables presenting Building 14 (Bullseye Amusements) and Building 17 (Megacity) 180-day proficiency results, sampled on June 3, 2014
- Updated memorandum, presenting Building 9 (B&G Trucking) benzene and xylene indoor air (IA) and sub-slab (SS) results
- Methane results

Agenda for today's call:

1. Roll Call
2. VI Mitigation Status
3. Other Business

Bldg 14 (Bullseye Amusements)

There are no IA exceedances.

June 2014 concentrations of 1,1-Dichloroethane and TCE in duplicate sub-slab samples from SS-14-A were greater than ODH Screening Levels. The 30-day proficiency sample event in January 2014 did not contain TCE at concentrations greater than the screening levels. The results indicate the concentrations are subject to seasonal variations. The table below presents a summary of SS-14-A results.

Table 1: Summary of SS-14-A proficiency sample results

Parameter	January 2012	March 2012	August 2012	January 2014	June 2014	ODH Screening Level
1,1-Dichloroethane	320 / 500	970	4100	270 / 160	720 / 650	160
TCE	2.1 J / 1.5 J	6.4 J	36 J	4.0 / 3.6	27 / 30	20

As there were SS exceedances, but no IA exceedances, the VI pathway is not complete. The property owners have restricted additional work. USEPA indicated that further VI mitigation work could be ended if no IA issues persist, provided all parties have a full understanding of the remaining vapor intrusion conditions, and all parties sign an agreement that no further work would be completed.

Bldg 17 (Megacity)

There are IA exceedances of benzene. Several push mowers (4 or 5) and drywall were stored in the IA-17-B area.

No SS samples were collected, as hybrid sampling was not required for this building. The table below presents a summary of Building 17 Benzene IA results.

Table 2: Summary of Building 17 proficiency benzene sample results

Location	January 2012	March 2012	August 2012	January 2014	June 2014	ODH Screening Level
IA-17-B	--	0.19 J	0.17 J	0.38	3.1	2
IA-17-Office	--	0.16 J	0.092 J	0.34 / 0.35	1.9 / 2.3	2
SS-17-A	0.20	0.12 J	0.29 J	--	--	20
SS-17-B	0.14	0.056 U	0.63	--	--	20
SS-17-C	0.018 U	0.056 U	0.056 U / 0.41	--	--	20

The benzene detections in the indoor air samples appear to be due to the presence of the gasoline-powered push mowers as the concentrations in indoor air were more than three times higher than any concentrations detected in sub-slab samples. CRA proposes to continue with the regularly schedule monitoring in Building 17, scheduled for December 2014.

Thank you,

Valerie

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